

# Eletrocalhas

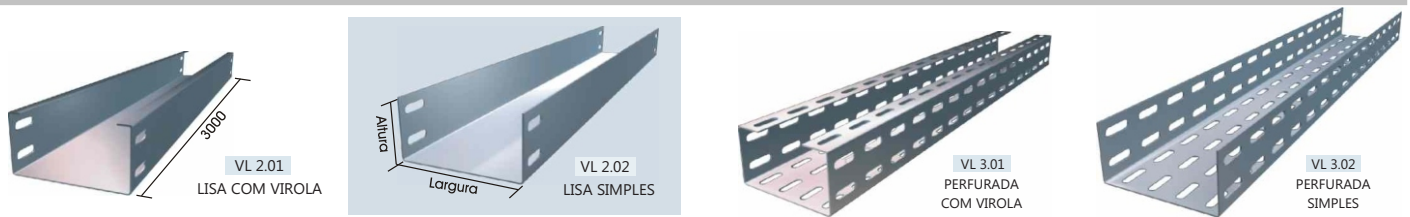
A eletrocalha Valemam, também conhecida como bandejamento, faz parte da Linha Aérea dos produtos Valemam e é fabricada em chapas de aço SAE 1008/1010, conforme a NBR 11888-2 e NBR 7013. Sua função é efetuar a condução e distribuição de todo cabeamento, seja ele de energia, dados, voz ou imagem, nas mais variadas instalações.

As eletrocalhas são peças dobradas em forma de "U", com ou sem virola. As virolas, quando aplicáveis, serão voltadas para a parte interna da eletrocalha, de maneira a oferecer maior resistência à flexão-torção.

Elas podem ser totalmente perfuradas, oferecendo ventilação nos cabos, com furos oblongos de 7x25 mm, espaçados entre si em 25 mm no sentido transversal e 38 mm no sentido longitudinal ou podem ser lisas para instalações hermeticamente fechadas, com furos oblongos de 7x25 mm apenas nas extremidades, para união das peças.

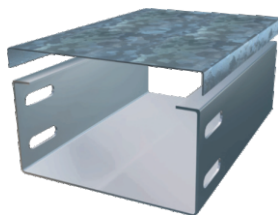
Possui completa linha de sustentação e elementos de fixação, que seguem as mesmas características construtivas das eletrocalhas (trecho reto). O acabamento da eletrocalhas deve ser determinado conforme especificação do projeto. A Valemam garante a qualidade de seus produtos através da certificação de sua matéria prima.

Esta linha de produtos pode ser vista nas mais diversas obras, tais como shoppings, edifícios comerciais, indústrias, hospitais e outra variada gama de segmentos da construção civil.



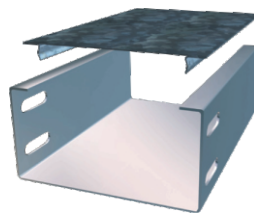
## Combinações de Altura x Largura

ALTURA \ LARGURA	25	50	75	100	125	150	200	250	300
25	* 25/25								
50	* 50/25	50/50							
75	75/25	75/50	75/75						
100	100/25	100/50	100/75	100/100					
125	125/25	125/50	125/75	125/100	125/125				
150	150/25	150/50	150/75	150/100	150/125	150/150			
200	200/25	200/50	200/75	200/100	200/125	200/150	200/200		
250	250/25	250/50	250/75	250/100	250/125	250/150	250/200	250/250	
300	300/25	300/50	300/75	300/100	300/125	300/150	300/200	300/250	300/300
400	400/25	400/50	400/75	400/100	400/125	400/150	400/200	400/250	400/300
500	500/25	500/50	500/75	500/100	500/125	500/150	500/200	500/250	500/300
600	600/25	600/50	600/75	600/100	600/125	600/150	600/200	600/250	600/300
700	700/25	700/50	700/75	700/100	700/125	700/150	700/200	700/250	700/300
800	800/25	800/50	800/75	800/100	800/125	800/150	800/200	800/250	800/300



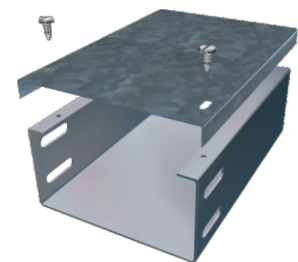
VL 2.03 - Lisa  
VL 3.03 - Perfurada

C/ VIROLA E TAMPA DE ENCAIXE



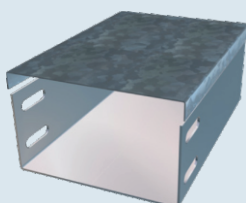
VL 2.05 - Lisa  
VL 3.05 - Perfurada

C/ VIROLA E TAMPA DE PRESSÃO



VL 2.06 - Lisa  
VL 3.06 - Perfurada

C/ VIROLA E TAMPA APARAFUSADA



VL 2.04 - Lisa  
VL 3.04 - Perfurada

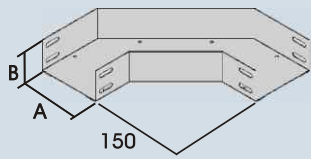
SIMPLES COM TAMPA DE ENCAIXE

Exemplo de como solicitar uma eletrocalha perfurada com virola 200x100, com tampa de encaixe e GE:

$\frac{3.03 \text{ P}}{\text{Perfurada c/ virola e tampa de encaixe}} - \frac{200}{\text{Largura}} \times \frac{100}{\text{Altura}} \times \frac{3000}{\text{Comprimento}} - \frac{\text{GE}}{\text{Galvanização eletrolítico}}$

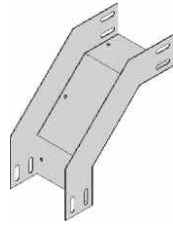
Para indicar que a eletrocalha é lisa, iniciar com o algarismo "2".

Dimensões válidas  
p/ todos acessórios. A = Largura  
B = Altura



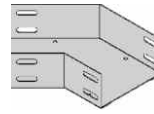
VL 01

CURVA HORIZONTAL 90°



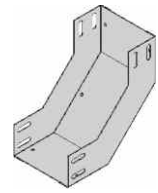
VL 02

CURVA VERTICAL  
EXTERNA 90°



VL 03

CURVA HORIZONTAL 45°



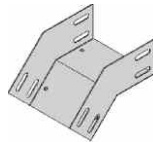
VL 04

CURVA VERTICAL  
INTERNA 90°



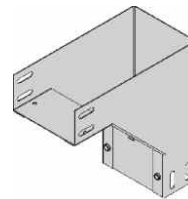
VL 05

CURVA VERTICAL  
INTERNA 45°



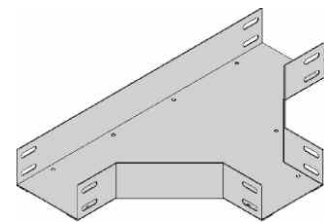
VL 06

CURVA VERTICAL  
EXTERNA. 45°



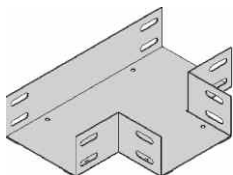
VL 07

CURVA DE INVERSÃO



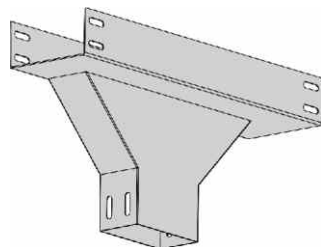
VL 08

TE HORIZONTAL 90°



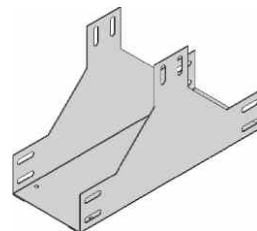
VL 09

TE HORIZONTAL RETO



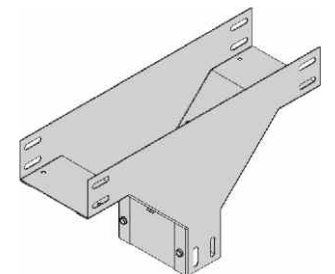
VL 10

TE VERTICAL  
DESCIDA LATERAL



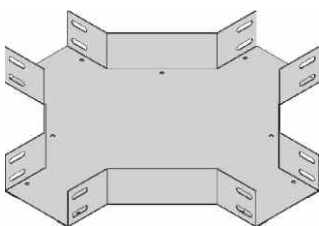
VL 11

TE VERTICAL SUBIDA



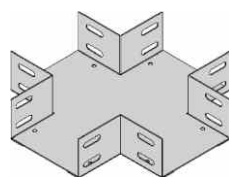
VL 12

TE VERTICAL DESCIDA



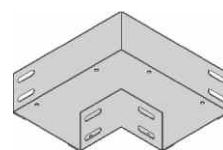
VL 13

CRUZETA 90°



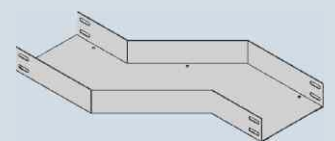
VL 14

CRUZETA RETA 90°



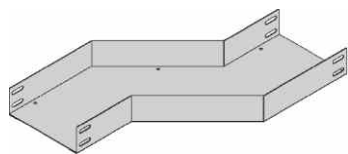
VL 15

COTOVELO RETO

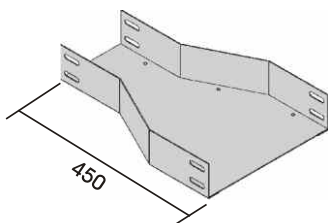


VL 16

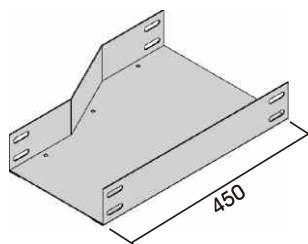
DESVIO À ESQUERDA



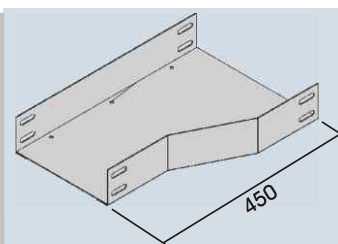
**VL 17**  
DESVIO À DIREITA



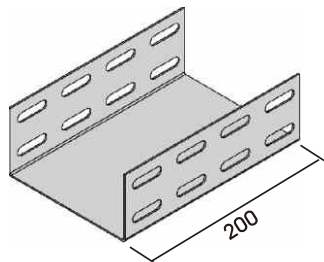
**VL 18**  
REDUÇÃO CONCÊNTRICA



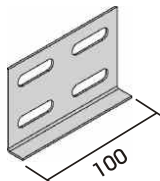
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REDUÇÃO À ESQUERDA



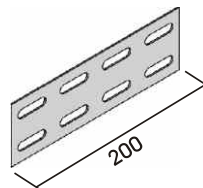
**VL 20**  
REDUÇÃO À DIREITA



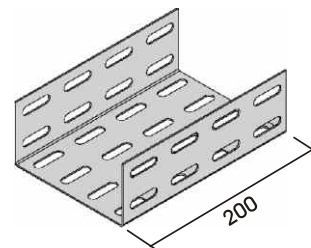
**VL 21**  
EMENDA INTERNA  
C/ BASE LISA



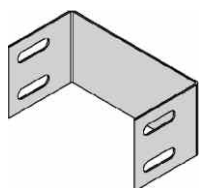
**VL 22**  
TALA "L"



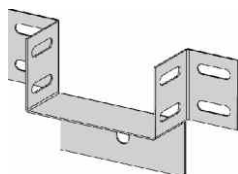
**VL 23**  
TALA SIMPLES



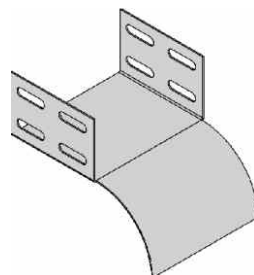
**VL 24**  
EMENDA INTERNA  
C/ BASE PERFORADA



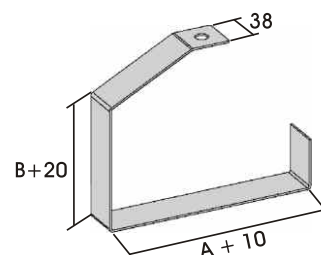
**VL 25**  
TERMINAL



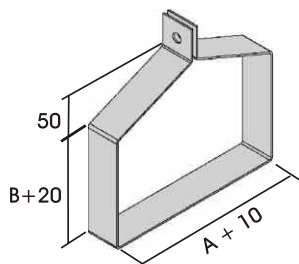
**VL 26**  
FLANGE



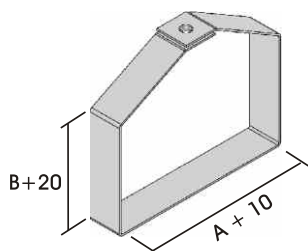
**VL 27**  
GOTEJADOR



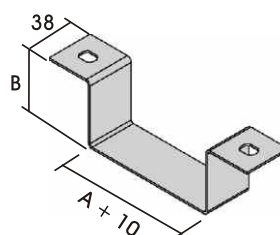
**VL 28**  
GANCHO SIMPLES



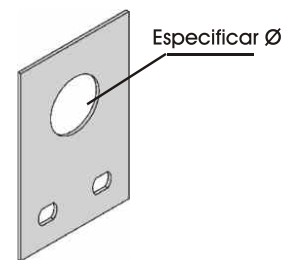
**VL 29**  
GANCHO HORIZONTAL



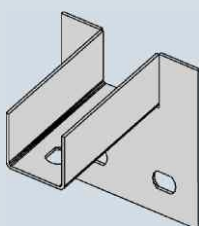
**VL 30**  
GANCHO VERTICAL



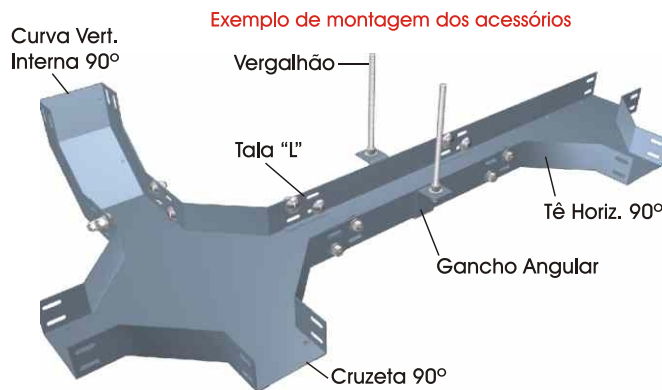
**VL 31**  
GANCHO ANGULAR



**VL 33**  
SAÍDA HORIZONTAL  
P/ ELETRODUTO



**VL 34**  
SAÍDA HORIZONTAL  
P/ PERFILADO



Exemplo de montagem dos acessórios

Os acessórios são fornecidos conforme especificação das eletrocalhas, seguindo suas características (perfurada, com virola, com tampas, etc). Possuem raio padrão de 150mm, sua fabricação é feita com recravamento das chapas, o que dispensa solda.